

CLAIMS LISTING

1. (currently amended) A method for the preparation of an ink jet recording element comprising coating on top of a support a layer pack comprising, in order, (a) an aqueous layer containing a pigment at a solid weight % of 60 to 98 of the total solid weight of the layer, and (b) an aqueous layer containing a water-soluble polymer, characterized in that said layers (a) and (b) are coated simultaneously wet on wet wherein the static surface tension of said layer (b) is lower than the static surface tension of said layer (a) and if the layers of said ink jet recording element are crosslinked, a crosslinking agent is selected from the group consisting of formaldehyde, free dialdehydes, blocked dialdehydes, active esters, sulfonate esters, active halogen compounds, isocyanate, blocked isocyanates, polyfunctional isocyanates, melamine derivatives, s-triazines, diazines, epoxides, active olefins having two or more active bonds, carbodiimides, isoxazolium salts substituted in the 3-position, esters of 2-alkoxy-N-carboxy-dihydroquinoline, N-carbamoylpyridinium salts, hardeners of mixed function, halogen-substituted aldehyde acids, onium substituted acroleins, vinyl sulfones, polymeric hardeners and oxazoline functional polymers.
2. (Original) A method according to claim 1 wherein said pigment is an inorganic pigment.
3. (Original) A method according to claim 2 wherein said inorganic pigment is silica.

4. (Original) A method according to claim 1 wherein said polymer is a cationic polymer.

5. (Original) A method according to claim 4 wherein said cationic polymer is a nitrogen containing cationic polymer.

6. (Original) A method according to claim 5 wherein said cationic nitrogen containing polymer is poly(diallyldimethylammonium chloride).

7. (previously presented) A method according to claim 5 wherein said cationic nitrogen containing polymer is copoly(vinylalcohol-vinylacetate-diallyldimethylammonium chloride).

8. (Original) A method according to claim 5 wherein said cationic nitrogen containing polymer is cellulose 2-hydroxyethylether, polymer with N,N-dimethyl, N-2 propenyl-2 propene-1-ammoniumchloride.

9. (Original) A method according to claim 5 wherein said cationic nitrogen containing polymer is a polyamine.

10. (canceled)

11. (Original) A method according to claim 1 wherein said layers (a) and (b) are coated simultaneously wet on wet by the slide-hopper coating technique.

12. (Original) A method according to claim 1 wherein said layers (a) and (b) are coated simultaneously wet on wet by the curtain coating technique.

13. (new) A method for the preparation of an ink jet recording element comprising coating on top of a support a layer pack comprising, in order, (a) an aqueous layer containing a pigment at a solid weight % of 60 to 98 of the total solid weight of the layer, and (b) an aqueous layer containing a water-soluble nitrogen containing cationic polymer, characterized in that said layers (a) and (b) are coated simultaneously wet on wet by one of a slide-hopper coating technique or a curtain coating technique wherein the static surface tension of said layer (b) is lower than the static surface tension of said layer (a) and at least one of layer (a) or (b) is crosslinked with a crosslinking agent selected from the group consisting of formaldehyde, free dialdehydes, blocked dialdehydes, active esters, sulfonate esters, active halogen compounds, isocyanate, blocked isocyanates, polyfunctional isocyanates, melamine derivatives, s-triazines, diazines, epoxides, active olefins having two or more active bonds, carbodiimides, isoxazolium salts substituted in the 3-position, esters of 2-alkoxy-N-carboxy-dihydroquinoline, N-carbamoylpyridinium salts, hardeners of mixed function, halogen-substituted aldehyde acids, onium substituted acroleins, vinyl sulfones, polymeric hardeners and oxazoline functional polymers.

14. (new) A method according to claim 13 wherein said cationic nitrogen containing polymer is poly(diallyldimethylammonium chloride).